

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/768,094  
Applicant : AKSELROD ET AL.  
Filed : FEBRUARY 2, 2004  
Title : METHOD FOR NON-DESTRUCTIVE MEASURING OF RADIATION  
DOSE

Art Unit : 2844  
Examiner : VU, MINDY D.

Atty Docket No. : LAND-0006-UT1

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TERMINAL DISCLAIMER**

Sir:

The undersigned, Attorney of Record in the present application 37 CFR 1.321(b)(1)(iv), avers the following:

Petitioner, Landauer, Inc., is the 100 percent owner of the present application by virtue of assignment. Please find enclosed a copy of the Notice of Recordation of Assignment for the present application recorded in the U.S. Patent and Trademark Office on December 15, 2004 at Reel/Frame 015455/0073. Petitioner is also the 100 percent owner of U.S. Patent Application No. 10,633,564. Please find enclosed a copy of the Notice of Recordation of Assignment for U.S. Patent Application No. 10,633,564 recorded in the U.S. Patent and Trademark Office on March 18, 2004 at Reel/Frame 015106/0303.

Petitioner hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 to 156 and 173 as shortened by any terminal disclaimer filed prior to the grant of any patent granted on pending U.S. Patent Application No. 10,633,564. Petitioner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the second application are commonly owned. This agreement runs with any patent granted on the instant

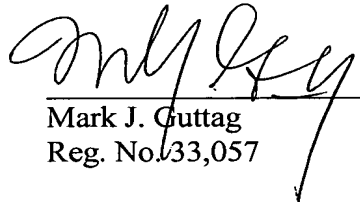
application and is binding upon the Petitioner, Petitioner's successors or Petitioner's assigns.

In making the above disclaimer, Petitioner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of any patent granted on the second application, as shortened by any terminal disclaimer filed prior to the patent grant, in the event that any such granted patent: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued.

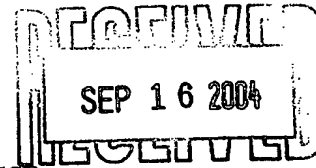
Please find enclosed the fee of \$65.00 for filing this Terminal Disclaimer as set forth in 37 C.F.R. § 1.20 (d).

Respectfully submitted,

  
Mark J. Gutttag  
Reg. No. 33,057

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

April 17, 2006



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 10, 2004

PTAS



\*102700891A\*

JAGTIANI + GUTTAG  
AJAY A. JAGTIANI  
10363-A DEMOCRACY LANE  
FAIRFAX, VA 22030

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/18/2004

REEL/FRAME: 015106/0303  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: LAND-0005-1

ASSIGNOR:  
AKSELROD, ANNA E.

DOC DATE: 08/11/2003

ASSIGNOR:  
AKSELROD, MARK S.

DOC DATE: 08/11/2003

ASSIGNOR:  
ORLOV, SERGEI S.

DOC DATE: 08/27/2003

ASSIGNEE:  
LANDAUER, INC.  
2 SCIENCE ROAD  
GLENWOOD, ILLINOIS 60425-1586

015106/0303 PAGE 2

SERIAL NUMBER: 10633654

FILING DATE: 08/05/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: BIT-WISE OPTICAL DATA STORAGE UTILIZING ALUMINUM OXIDE SINGLE  
CRYSTAL MEDIUM

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



DECEMBER 16, 2004

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\*500014822A\*

AJAY JAGTIANI  
10363-A DEMOCRACY LANE  
FAIRFAX, VA 22030

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 12/15/2004

REEL/FRAME: 015455/0073  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

AKSELROD, MARK S.

DOC DATE: 02/05/2004

## ASSIGNOR:

AKSELROD, ANNA E.

DOC DATE: 02/05/2004

## ASSIGNEE:

LANDAUER, INC.  
2 SCIENCE ROAD  
GLENWOOD, ILLINOIS 60425

SERIAL NUMBER: 10768094

FILING DATE: 02/02/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR NON-DESTRUCTIVE MEASURING OF RADIATION DOSE

015455/0073 PAGE 2

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

# Patent Fee Transmittal for FY 2006

APR 17 2006

☐ Applicant(s) Claims Small Entity Status 37 C.F.R.

**TOTAL AMOUNT OF PAYMENT**

**\$65.00**

Application No. 10/768,094  
Filing Date 2-Feb-04  
Named Inventor AKSELROD, Mark  
Examiner Name VU, Mindy D.  
Art Unit 2844  
Attorney Docket No. LAND-0006-UT1

## FEE CALCULATION

### 1. Filing Fees

Application Type	Description	Large Entity		Small Entity		Paid
		Code	(\$)	Code	(\$)	
Utility <input type="checkbox"/>	Basic	1011	300	2011	150	\$ -
	Examination	1311	200	2311	100	\$ -
	Search	1111	500	2111	250	\$ -
Design <input type="checkbox"/>	Basic	1012	200	2012	100	\$ -
	Examination	1312	130	2312	65	\$ -
	Search	1112	100	2112	50	\$ -
Plant <input type="checkbox"/>	Basic	1013	200	2013	100	\$ -
	Examination	1313	160	2313	80	\$ -
	Search	1113	300	2113	150	\$ -
Reissue <input type="checkbox"/>	Basic	1014	300	2014	150	\$ -
	Examination	1114	600	2114	300	\$ -
	Search	1314	500	2314	250	\$ -
Provisional <input type="checkbox"/>	Basic	1005	200	2005	100	\$ -
National Stage <input type="checkbox"/>	Basic	1631	300	2631	150	\$ -
	Examination	1633	200	2633	100	\$ -
	Search	1632	500	2632	250	\$ -

### 2. Extra Claim Fee

#### a. Claims as Filed

		Large Entity		Small Entity		Paid
		Code	(\$)	Code	(\$)	
Total Claims	0 - 20 = 0	1201	50	2201	25	\$ -
Independent	0 - 3 = 0	1202	200	2202	100	\$ -
Multiple Dependent		1203	360	2203	180	\$ -

#### b. Claims as Amended

		Large Entity		Small Entity		Paid
		Code	(\$)	Code	(\$)	
Total Claims	28 - 28 = 0	1201	50	2201	25	\$ -
Independent	3 - 4 = 0	1202	200	2202	100	\$ -
First Presentation of Multiple Dependent		1203	360	2203	180	\$ -

\* Less than 20, enter 20 \*\* Less than 3, enter 3

### 3. Extra Page Fee

		Large Entity		Small Entity		Paid
		Code	(\$)	Code	(\$)	
Total Pages	0 - 100 = 0	1081	250	2081	125	\$ -
Extra Pages	0					

#### Subtotal for Application Fees

1	\$ -	+	2	\$ -	+	3	\$ -	=	\$ -
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### 4. Additional Fees

Description	Large Entity		Small Entity		Paid
	Code	(\$)	Code	(\$)	
Extension for response first month	1251	120	2251	60	\$ -
Extension for response second month	1252	450	2252	225	\$ -
Extension for response third month	1253	1,020	2253	510	\$ -
Extension for response fourth month	1254	1,590	2254	795	\$ -
Extension for response fifth month	1255	2,160	2255	1,080	\$ -
Notice of Appeal	1401	500	2401	250	\$ -
Filing a Brief in Support of an Appeal	1402	500	2402	250	\$ -
Request for Oral hearing	1403	1,000	2403	500	\$ -
Petitions under 1.17(f)	1462	400	2462	400	\$ -
Petitions under 1.17(g)	1463	200	2463	200	\$ -
Petitions under 1.17(h)	1464	130	2464	130	\$ -
Petition - public use proceeding	1451	1,510	2451	1,510	\$ -
Petition to Revive - Unavoidable	1452	500	2452	250	\$ -
Petition to Revive - Unintentional	1453	1,500	2453	750	\$ -
Utility Issue Fee	1501	1,400	2501	700	\$ -
Design Issue Fee	1502	800	2502	400	\$ -
Plant Issue Fee	1503	1,100	2503	550	\$ -
Reissue Issue Fee	1511	1,400	2511	700	\$ -
Publication Fee	1504	300	2504	300	\$ -
Statutory Disclaimer	1814	130	2814	65	\$ 65

(cont.)

Description (cont.)	Large Entity		Small Entity		Paid
	Code	(\$)	Code	(\$)	
Recording each Assignment	8021	40	8021	40	\$ -
Submission of IDS	1806	180	1806	180	\$ -
Request for Cont. Examination (RCE)	1801	790	2801	395	\$ -
Filing Submission After Final	1809	790	2809	395	\$ -
Surcharge - late filing fee or oath	1051	130	2051	65	\$ -
Surcharge - late provisional fee	1052	50	2052	25	\$ -
Non-English Specification	1053	130	2053	130	\$ -
Processing Fee 37 CFR 1.17(q)	1807	50	2807	50	\$ -
Request for Ex Parte Reexamination	1812	2,520	2812	2,520	\$ -
Request Pub. of SIR prior to action	1804	920	2804	920	\$ -
Request Pub. of SIR after action	1805	1,840	2805	1,840	\$ -
Each Add. Invention Examined	1810	790	2810	395	\$ -
Expedited Examination (Design)	1802	900	2802	900	\$ -
Unintentionally Delayed Priority Claim	1453	1,370	2453	1,370	\$ -
Certificate of Correction	1811	100	2811	100	\$ -
Maintenance Fees 3.5 years	1551	900	2551	450	\$ -
Maintenance Fees 7.5 years	1552	2,300	2552	1,150	\$ -
Maintenance Fees 11.5 years	1553	3,800	2553	1,900	\$ -
Surcharge - Late Payment 6 mos.	1554	130	2554	65	\$ -
Other fee					\$ -

Additional Fee Subtotal 4 \$ 65

### METHOD OF PAYMENT (Check all that apply)

☒ Credit Card (Provide credit card information and authorization on PTO-2038)

☒ Deposit Account No.

10-0233-LAND-0006-UT1

For the above-identified deposit account, the Director is hereby authorized to:

☐ To charge the above-identified fee.

☒ To charge any additional fees which may be required under 37 CFR 1.16, 1.17, 1.18, 1.20 and 1.492 or credit any overpayment to the deposit account number listed above.

Submitted by:

Name Mark J. Guttag Reg. No. 33,057  
Firm Jagtiani + Guttag  
Address 10363-A Democracy Lane, Fairfax VA 22030  
Telephone 703.591.2664 Fax 703.591.5907

*Mark J. Guttag*  
Signature

April 17, 2006

Date